

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6527	(text character)near5(speech voice)near5 conver\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:28
L2	127419	(rf radio wireless infrared ir irda)same(distance location proximity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:49
L3	47	1 same 2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:41
L4	630	(rf radio wireless infrared ir irda)same 1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:42
L5	2274	(rf radio wireless infrared ir irda bluetooth)same(automatic\$ with(link communicati\$)with(connect\$ establish\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:52
L6	30	1 and 5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:52

Mortgage Rates Have Dropped!

Click Your State & Refinance Now!

Get the Best Rates. Easy Comparisons. More Choices. Greater Savings.

AL	GA	HI	MS	SC	TX	VA	WV	DC	OR	CA	IL	IN	MI	OH	PA
AK	CT	DE	FL	IA	KS	ME	NE	NC	OK	SD	UT	WY	MT	NM	AZ
AR	CO	LA	MO	ND	RI	SE	WY	WY	WY	WY	WY	WY	WY	WY	WY
CA	GA	IL	MD	MA	NH	Loss	Than	Perfect	Credit	OK	Lower	Cost	Lower	Cost	Lower

Directions

[Print](#) | [E-Mail](#) | [Send to Phone](#) | [PDA](#) | [New Directions](#)

START

8993 Omega Ct
Springfield, VA 22152-2190, US - [Hotel Offers](#) - [Flight Offers](#)

END

8101 Lorton Rd
Lorton, VA 22079-2701, US - [Hotel Offers](#) - [Flight Offers](#)



Find Nearby:

(e.g., Theaters)

Or

Search

Maneuvers

[Reverse Route](#) | [Avoid Highways](#) | [Revise Route](#)

- 1:** Start out going NORTHWEST on OMEGA CT toward BLARNEY STONE DR.

2: Turn LEFT onto BLARNEY STONE DR.

3: Turn LEFT onto FIELD MASTER DR.

4: Turn LEFT onto OLD KEENE MILL RD/VA-644 E. Continue to follow VA-644 E.

5: Merge onto I-95 S toward RICHMOND.

6: Take the VA-642 exit- EXIT 163- toward LORTON.

7: End at 8101 Lorton Rd, Lorton, VA 22079-2701 US

<0.1 miles [Map](#)

<0.1 miles [Map](#)

0.1 miles [Map](#)

4.2 miles [Map](#)

5.6 miles [Map](#)

0.2 miles [Map](#)

[Map](#)

Total Est. Time: 14 minutes Total Est. Distance: 10.36 miles

Find the Hotels You Want

Hotel Photos, Info & Virtual Tours
Save up to 50% on hotels at Expedia
www.Expedia.com

Hotels

Search 1000's of Hotels on ORBITZ.
Great Rooms for Less. Book Online!
www.ORBIZ.com

[Make this map interactive](#)

Route Overview Map

Lorton offers:

Search

Springfield Flights

Book Your Flights on ORBITZ. Great Deals & More Options. Book Now!
www.ORBIZ.com

Buying a New Car?

Look to Consumer Guide for reviews, ratings, prices & Free Price Quotes
Auto.ConsumerGuide.com

Flights

Find Great Fares with Travelocity
Save on your Flight Today
www.travelocity.com

Travelzoo SuperSearch

Save on flights! Search multiple travel sites & find cheap fares
supersearch.travelzoo.com

Lorton Virginia Homes

Never Ever Miss Another New Listing
And Get Free Neighborhood Reports
www.nvfh.com

70% off- Hotels

110% Lowest Price Guaranteed on our Exclusive Rates at 29,000 hotels.
www.Lodging.com

Springfield Flights

Don't waste time! Check airlines and travel agents for lowest price.
www.OneTime.com

Discount Flights

Compare Prices on Airline Flights. Search for Cheap Travel. Aff
www.LowestFare.com

Other Offers:

[Lorton Hotels](#)
[Lorton Real Estate](#)
[Lorton Insurance](#)
[Lorton Schools](#)
[Lorton Jobs](#)

Lorton offers:

Search

[About these results](#)



US 2002/0197955A1

(19) United States

(12) Patent Application Publication
Witkowski et al.

(21) Pub. No.: US 2002/0197955 A1
(43) Pub. Date: Dec. 26, 2002

(54) WIRELESS COMMUNICATIONS SYSTEM
AND METHOD

Related U.S. Application Data

(73) Inventor: Todd R. Witkowski, Zeeb, MI (US);
Kurt A. Dykema, Holland, MI (US);
Steven L. Goetting, Holland, MI
(US); Mark L. Zetser, Holland, MI
(US); Robert P. Dege, Lovett, MI
(US)

(63) Continuation of application No. 06/975,176, filed on
Apr. 29, 2002, filed as 371 of international application
No. PCT/US00/4692, filed on May 23, 2000
(60) Provisional application No. 60/125,979, filed on May
25, 1997.

Publication Classification

(31) Int. Cl.⁷ G01C 11/24
(32) U.S. Cl. 455/41; 701/214

(57) ABSTRACT

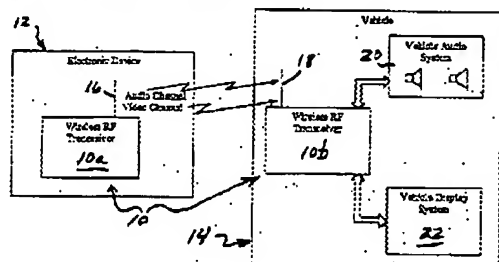
Correspondence Address:
Marcos W. Sprew
Foley & Lardner
Parker Center
777 East Wisconsin Avenue
Milwaukee, WI 53202-5097 (US)

(73) Assignee: Johnson Controls Technology Com-
pany

A system for communicating information between wireless
communication between electronic devices. The system
includes a transceiver provided in a vehicle. The transceiver
communicates with an electronic device located external to
the motor vehicle using a Bluetooth communications standard.

(21) Appl. No.: 10/127,553
(22) Filed: Apr. 23, 2002

INTEGRATION WITH VEHICLE AUDIO/DISPLAY SYSTEM



DOCUMENT IDENTIFIER: US 2002/0197955 A1

TITLE: Wireless communications system and method

----- KWIC -----

Summary of Invention Paragraph - BSTX (2)

[0002] This invention relates to wireless communications devices, and more particularly to a wireless communications system and method which facilitates an automatic wireless connection and wireless communication of voice and/or data information between various electronic components such as notebook computers, cellular telephones, hand held computing devices, pagers, audio devices, display terminals and other electronic systems.

Summary of Invention Paragraph - BSTX (11)

[0011] In view of the foregoing, it would therefore be desirable to provide a wireless communications system adapted for use in automotive applications to permit the wireless exchange of voice and/or data between various portable electronic devices and various electronic subsystems of a motor vehicle. Such a system would preferably include a first electronic component which could be readily integrated with a wide variety of electronic devices such as notebook computers, pagers, PDAs, cellular phones, etc., and a second component which could easily be integrated with various electronic subsystems of a motor vehicle such as an audio system, microphone, in-dash or overhead display system, on-board navigation system, etc. The first and second components would also preferably be extremely compact, lightweight, have low power requirements, and would therefore be very easily integrated into the various portable electronic devices described above, as well as into the various electronic subsystems of the vehicle. The components would preferably be able to automatically establish a wireless communications link as soon as the electronic device incorporating the first component comes into proximity with the vehicle, where the vehicle incorporates the second component. Such a system would completely obviate the need for any external cables to be attached between the electronic device(s) and the subsystem(s) of the vehicle.

Summary of Invention Paragraph - BSTX (15)

[0014] The present invention is directed broadly to a wireless communications system and method for transmitting information between two or more electronic devices. In one preferred embodiment a miniature RF transceiver is integrated into each electronic device. The RF transceivers are low power, short range transceivers that enable the exchange of voice and/or data information between the two devices. The wireless communications link between the devices is established automatically when the devices come within a predetermined proximity to each other. Thus, information can be transmitted

pct/us 00/469